

Appl. No. 10/709,201
Amdt. dated December 14, 2005
Reply to Office action of October 05, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1 (currently amended): An image reading device comprising:

5 a housing;
a lens installed inside the housing for focusing light;
a photosensor installed on a first right side of the lens for converting light
outputted from the lens into digital signals; and
a plurality of reflectors installed on a second left side of the lens for reflecting
10 light inputted into the image reading device to form a linear optical path in
order to guide light to the photosensor via the lens;
wherein no reflector is installed on the first right side of the lens or is located
above a first plane defined by a top end of the lens or below a second plane
defined by a bottom end of the lens.

2 (original): The image reading device of claim 1 wherein the linear optical path passes between two reflectors closest to the lens, and reaches the photosensor via the lens.

3 (original): The image reading device of claim 1 wherein two reflectors closest to the
20 lens are capable of partially covering an edge ring of the lens but not a main part of
the lens for allowing light to focus on the photosensor via the lens.

4 (original): The image reading device of claim 1 wherein the image reading device further comprises a light source for generating light.

25 5 (original): The image reading device of claim 1 wherein the photosensor is a charge coupled device (CCD).

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6 (original): The image reading device of claim 1 wherein the photosensor is a complementary metal-oxide semiconductor (CMOS).

5 7 (original): The image reading device of claim 1 wherein the image reading device is a scanning module of a scanner having three reflectors.

8 (original): The image reading device of claim 1 wherein the image reading device is a scanning module of a scanner having four reflectors.

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9 (original): The image reading device of claim 1 wherein the image reading device is a scanning module of a scanner having five reflectors.

10 (currently amended): A scanning module of a scanner comprising:

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a housing;

a lens installed inside the housing for focusing light;

a photosensor installed on a ~~first~~ right side of the lens for converting light outputted from the lens into digital signals; and

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a plurality of reflectors installed on a ~~second~~ left side of the lens for reflecting light inputted into the scanning module to form a linear optical path in order to guide the light to the photosensor via the lens;

wherein no reflector is installed on the ~~first~~ right side of the lens or is located above a first plane defined by a top end of the lens or below a second plane defined by a bottom end of the lens.

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11 (original): The scanning module of claim 10 wherein the linear optical path passes between two reflectors closest to the lens, and reaches the photosensor via the lens.

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12 (original): The scanning module of claim 10 wherein two reflectors closest to the lens are capable of partially covering an edge ring of the lens but not a main part of the lens for allowing light to focus on the photosensor via the lens.

5 13 (original): The scanning module of claim 10 wherein the scanning module further comprises a light source for generating light.

14 (original): The scanning module of claim 10 wherein the photosensor is a CCD.

10 15 (original): The scanning module of claim 10 wherein the photosensor is a CMOS.

16 (original): The scanning module of claim 10 wherein the scanning module comprises three reflectors.

15 17 (original): The scanning module of claim 10 wherein the scanning module comprises four reflectors.

18 (original): The scanning module of claim 10 wherein the scanning module comprises five reflectors.

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